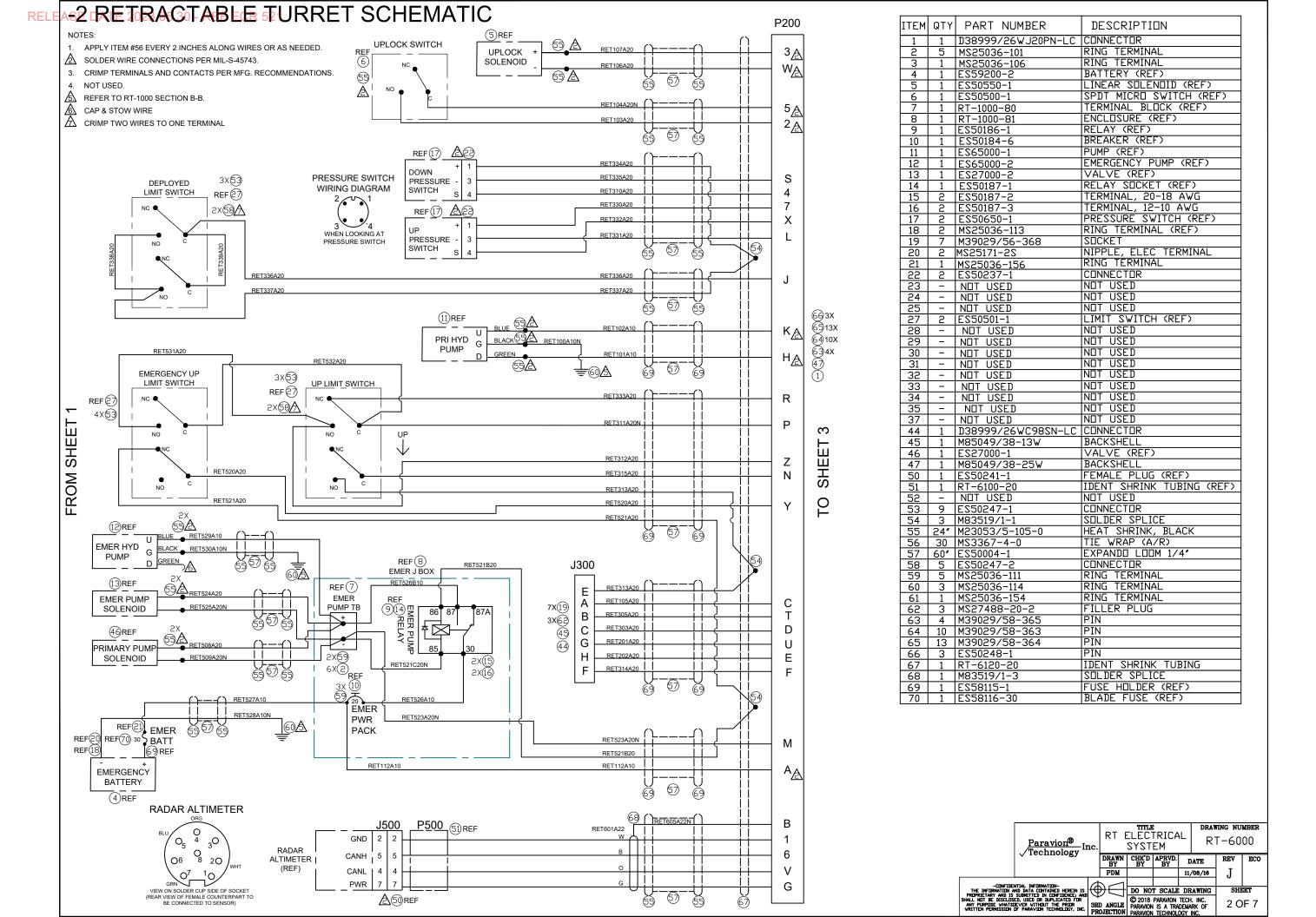


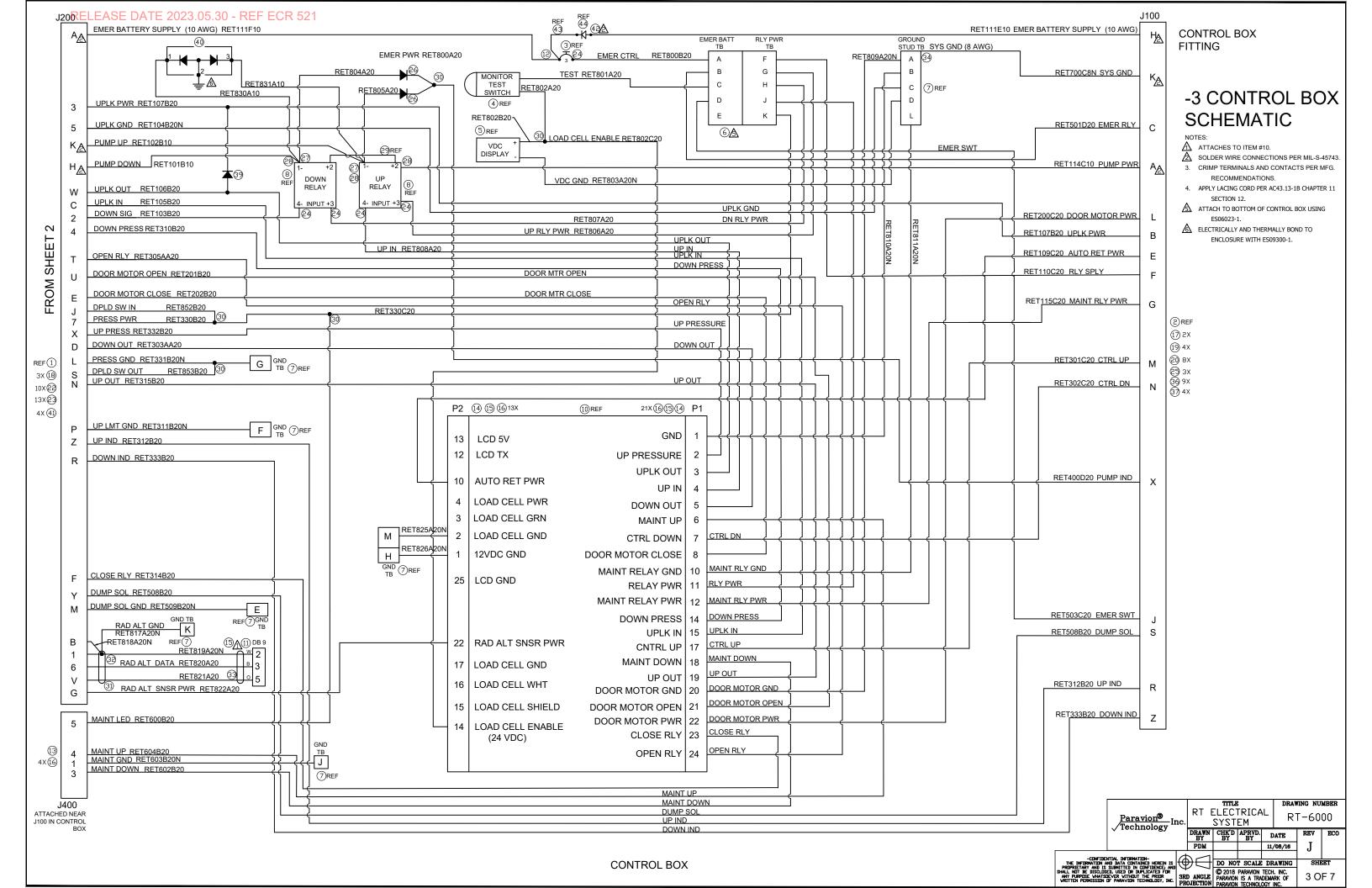
REV	DATE	DESCRIPTION	BY	APR	CHK
С	09/11/17	ADDED NEW SHEET 4	JT	JT	LS
D	09/27/17	UPDATES TO SHT. 1,2 & 4.	PM	Ţ	ΓS
Ε	10/10/17	UPDATES TO SHT. 1 & 3.	PM	JT	LS
F		ON SHT 1 ITEM #1 WAS D38999/20WC98SN, ADDED ITEM # 13 THRU 20, REMOVED ITEM #7, CHANGED ITEMS #5 AND #10 TO REF, ADDED NOTES 1 & 2; ON SHT 2 ADDED ITEMS #5 2T HRU 66, ITEM #1 WAS D38999/26WC98PN, ITEM #4 WAS QTY '1', ITEM #17 QTY WAS '1', ITEM #22 WAS ES50650-1 AND QTY WAS '1', ITEM #25 DESC WAS 'WIRE, 34 AWG', ITEM #32 WAS ES50732-1, ITEM #44 WAS D38999/20WC98SN, CHANGED ITEMS #4, #5, #6, #11, #17, #27, #32 AND #46 TO REF, ADDED NOTE 1 THRU 5; ON SHT 3 ADDED WIRE FROM q TO Z, "DOWN IND", ON J100 CHANGE 'W' TO 'P', ADDED NOTES 1 THRU 5, ADDED J400, ITEM #1 WAS D38999/20WJ90SN, ITEM #2 WAS D38999/20WJ20PN, ITEM #6 WAS MB1714-2-DB1, ITEM #7 WAS MB1714-63-20F, ITEM #10 BSC. WAS 'CIRCUIT BOARD', ITEM #13 WAS ES50244-1, ITEM #14 WAS 5205207-1, ITEM #15 WAS 5205980-1, ITEM #16 QTY WAS 34, ITEM #19 QTY WAS 3, ITEM #20 QTY WAS 7, ITEM #25 QTY WAS 4, CHANGED ITEMS #3, #4, #5, #6, #7, #8, #10 AND #12 TO REF, ITEM #24 WAS 36152, ADDED ITEMS #27 THRU #38, LABELED ALL WIRE IN CONTROL BOX; ON SHT 5 ADDED NOTES 1 THRU 3, ADDED -44, CHANGED ALL RT-6000-XX P/N TO WIRE MARKING IDENT, SHT 5 REMOVED DASH NO. COLUMN.	7	7	20
G	07/10/18	SHT 1 ALL WIRES WERE SHOWN BUNDLED TOGETHER, DOOR MOTOR LINES WERE SOLID, MOVED ITEM 15 TO SURROUND ALL WIRES, ADDED NOTE 3 AND CORRESPONDING FLAGS, REMOVED ITEM 17; SHT 2 ALL WIRES WERE SHOWN BUNDLED TOGETHER, ADDED ITEM 67, ITEMS # 62 & 63 WERE MS27448-XX-X, MADE ITEMS 50 & 51 REF, ADDED NOTE 2 FLAGS TO ITEMS 5, 11, 46; SHT 3 REMOVED OUTER LINES AND PARENTHESIS ON J100 Z, S, B; SHT 4 ITEMS # 36 & 37 & 38 WERE MS27448-XX-X, ITEM #16 QTY WAS 38, ITEM # 11 WAS ES5024101; SHT 5 RET601A22 LENGTH WAS 96.	EW	EW	LS
Н	12/21/18	SHT. 1: MADE ITEMS 5 AND 10 REF, SHT. 2: ITEM 32 WAS ES50130-1, SHT. 3: EMERGENCY BATTERY SUPPLY WAS RET112A16, ADDED 39 DIODE AND 40 DIODE ARRAY WITH WIRING AND BONDING NOTE 6; SHT. 4: ADDED 39 AND 40; SHT. 6: ADDED RET830A10 AND RET831A10	СМК	СМК	LS
I	5/24/19	ADDED SHT 5: -4 SAFETY SYSTEM DISPLAY SCHEMATIC; ADDED WIRES RET840XXX THROUGH RET843XXX TO SHT 7; REMOVED ES59400-1 AND ES59350-1 FROM -3 BOM	СМК	СМК	LS
J	11/15/19	SWAPPED BALOONS 1&2 AND REMOVED TWISTED CABLE CALLOUTS ON SHT 5; RECONFIGURED FOR REDUNDANT HYDRAULIC SYSTEM DESIGN: ADDED EMER HYD PUMP, EMER PUMP SOLENOID, JUNCTION BOX WITH TERMINAL BLOCK, RELAY, AND 20A BREAKER, DEPLOYED LIMIT SWITCH, ADDITIONAL RETRACTED LIMIT SWITCH, LARGER SINGLE EMER BATTERY, REMOVED LOAD CELL, AND ASSOCIATED WIRING/ CONNECTIONS. CHANGED P/J200 TO J20 STYLE TO ACCOMMODATE 3X 10AWG WIRES. SWAPPED P/J300 CONNECTORS, PINS, & SOCKETS. RET112A10 SPEC UPDATED TO MIL-W-22759/16-10-9. ADDED ITEM 20 MS25171-2S NIPPLE TO SHT 2. ADDED ES50191-5 DIODE & RT-1000-86 BUS TO EMER CTRL BREAKER ON SHT 3. ADDED ES58116-30 30A FUSE & ES58115-1 FUSE HOLDER TO (+) BATTERY TERMINAL ON SHT 2. RENAMED 20A EMER BATT BREAKER TO EMER PWR PACK, 30A FUSE IS NOW LABELED EMER BATT.	СМК	СМК	LS

ITEM QTY PART NUMBER

1 1 D38999/20WC98PN-LC			038999/20WC98PN-LC CONNECTOR	CONNECTOR					
	2	1	M85049/38-13W BACKSHELL	BACKSHELL					
	ω	1	RET305B20 WIRE, 20 AWG						
	4	1	RET303B20 WIRE, 20 AWG						
L	5	2	ES50501-1 LIMIT SWITCH (REF)						
L	6	1	RET306B20 WIRE, 20 AWG						
L	8	1	RET313B20 WIRE, 20 AWG						
L	9	1	RET304B20 WIRE, 20 AWG						
L	10	1	S62200-1 WORM GEAR MOTOR (REF)						
L	11	1	RET201B20 WIRE, 20 AWG						
L	12	1	RET202B20 WIRE, 20 AWG						
L	13	3in	1S23053/8-105-0 HEAT SHRINK						
L	14	24in							
L	15	1	RT-6120-18 IDENT SHRINK TUBING						
L	16	6	SS0247-1 CONNECTOR						
L	18	10in	123053/5-107-0 HEAT SHRINK, BLACK						
L	19	3	4S27488-20-2 FILLER PLUG						
L	20	7	139029/58-363 PIN	1					
			TITLE DRAWING NUMBER						
			Paravion® - RT ELECTRICAL RT-6000						
			Paravion® Inc. SYSTEM RT-6000						
V reemiology			DRAWN CHK'D APRVD. DATE REV ECC	,					
			PDM 11/08/16 J						
	THE INFORMATION— THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONTIDENCE, AND								
			N AND DATA CONTAINED HEREIN IS I (1) TO NOT SCALE DRAWING SHEET	_					
	SHALL	NOT BE DIS	LOSED, USED OR DUPLICATED FOR STANKET FOR SUPERING STANKET FOR ANGLE STANKET FOR A TRANSPARANCE STANKET FOR THE PRINCE STANKET FOR THE PR						
	VRITT	EN PERMIS	IN OF PARAVION TECHNOLOGY, INC. SKD ANGLE PARAVION IS A TRADEMARK OF I OF / PROJECTION PARAVION TECHNOLOGY INC.						

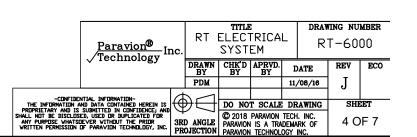
DESCRIPTION





-3 CONTROL BOX SCHEMATIC PARTS LIST ON SHEET 3

		<u> </u>	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	D38999/20WJ20SN-LC	CONNECTOR (REF)
2	1	D38999/20WJ20PN-LC	CONNECTOR (REF)
3	1	ES50184-4	BREAKER, 3A (REF)
4	1	ES50601-1	SWITCH (REF)
5	1	ES59360-1	VDC DISPLAY (REF)
6	1	M81714-2-DB1	TERMINAL JUNCTION MODULE
7	1	M81714-63-20F	GROUND MODULE(REF)
8	2	ES50183-1	RELAY (REF)
10	1	RT-6100-3	ELECTRONICS (REF)
11	1	ES59500-2	DB9 RECEPTACLE
12	1	MS25036-111	RING TERMINAL
13	1	ES50239-1	RECEPTACLE (REF)
14	2	ES50235-2	DB25 RECEPTACLE
15	3	ES50003-3	SCREW LOCK
16	41	M39029/63-368	SOCKET
17	2	ES50248-1	PIN
18	N N	ES50248-2	SOCKET
19	5	M39029/58-363	PIN
20	9	M39029/58-364	PIN
21	2	M39029/58-365	PIN
22	35	M39029/56-351	SOCKET
23	13	M39029/56-352	SDCKET
24	5	MS25036-101	RING TERMINAL
25	5 3 2	ES50248-3	BUSHING
26		ES50191-1	DIODE 1A
27	2	MS25039-149	RING TERMINAL
28	2	MS25036-156	RING TERMINAL
29	1	RT-6100-18	JUMPER BRACKET (REF)
30	5	M83519/1-2	SOLDER SPLICE
31	12"	M27500-24TG3T14	CABLE
32	2	M83519/1-3	SOLDER SPLICE
33	3″	M23053/5-105-0	HEAT SHRINK, BLACK
34	1	MS25036-115	RING TERMINAL
35	_	NOT USED	NOT USED
36	12	MS27488-16-2	FILLER PLUG
37	4	MS27488-12-2	FILLER PLUG
38	10	MS27488-20-2	FILLER PLUG
39	1	ES50191-2	DIODE 5A
40	1	ES50191-4	DIODE ARRAY 27A
41	4	M39029/56-353	SOCKET
42	12"	M23053/5-107-0	HEAT SHRINK, BLACK
43	1	RT-1000-86	BAR (REF)
44	1	ES50191-5	DIODE (REF)



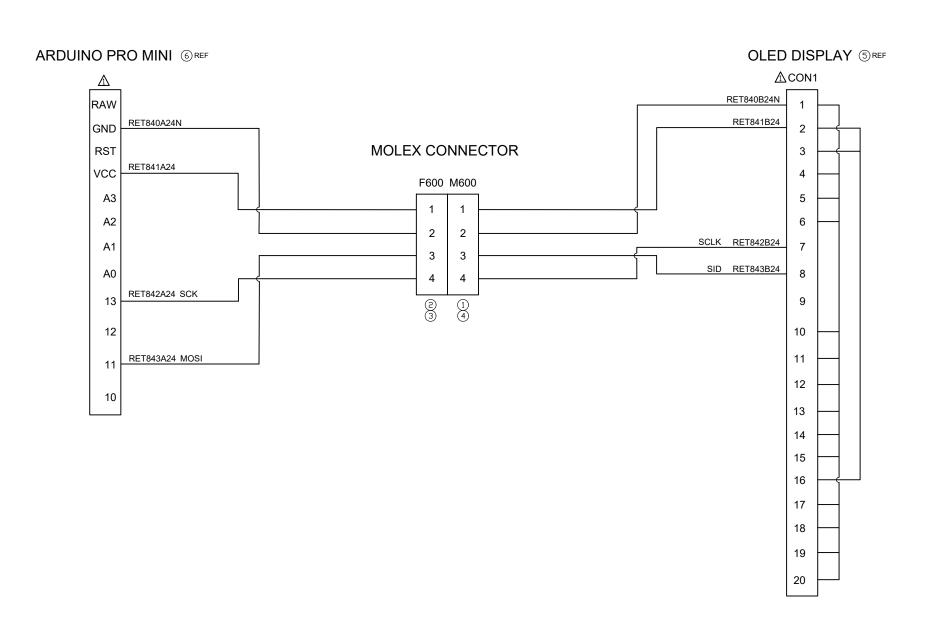
-4 SAFETY SYSTEM DISPLAY SCHEMATIC

NOTES:

Solder wire connections per Mil-s-45743.

2. CRIMP TERMINALS AND CONTACTS PER MFG. RECOMMENDATIONS.

IT	ЕМ	QTY	PART NUMBER	DESCRIPTION
	1	1	ES50244-1	FEMALE CONNECTOR
í	Ω	1	ES50244-2	MALE CONNECTOR
(3	4	ES50240-1	FEMALE TERMINAL
4	4	4	ES50240-2	MALE TERMINAL
	5	1	ES59350-2	OLED DISPLAY (REF)
(ó	1	RT-6100-5	ARDUINO PRO MINI ASSEM (REF)



		Paravion® √Technology	ıc.	TITLE RT ELECTRICAL SYSTEM				drawing number RT-6000		
		→ recimology		DRAWN BY	CHK'D	APRVD. BY		ATE	REV	ECO
				PDM			11,	/08/16	J	
	-CONFIDE	NTIAL INFORMATION-	4	7						
	THE INFORMATION AND DATA CONTAINED MERCIN IS PROPRIETARY AND IS SUBMITTED IN CONTINUED, IS NO SHALL NOT BE DISCLOSED, USED DR DUPLICATED FOR ANY PURPOSE VHATSOZEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.		₩)) [DO NO	T SCALE	DF	AWING	SHE	EET
			3RD ANGLE PROJECTION						5 OF 7	

RELEASINOAEE 2023.05.30 - REF ECR 521

- 1. WIRE MARKING SPACING TO BE 15 INCHES MAXIMUM PER AC43.13-1B PARA. 11-208.
- 2. ALTERNATE WIRE SPECIFICATION: MIL-W-22759/41.
- 3. DO NOT DUPLICATE WIRE MARKING PART NUMBERS WITH PART NUMBERS FROM DRAWINGS RT-6050 AND C208RT-6000.

WIRE SPECIFICATION	LENGTH (IN)	WIRE MARKING
MIL-W-22759/16-20-9	36	RET305B20
MIL-W-22759/16-20-9	36	RET303B20
MIL-W-22759/16-20-9	36	RET306B20
MIL-W-22759/16-20-9	48	RET313B20
MIL-W-22759/16-20-9	48	RET304B20
MIL-W-22759/16-20-9	65	RET201B20
MIL-W-22759/16-20-9	65	RET202B20
MIL-W-22759/16-10-9	18	RET112A10
MIL-W-22759/16-16-9	36	RET113A16N
MIL-W-22759/16-20-9	96	RET107A20
MIL-W-22759/16-20-9	96	RET104A20N
MIL-W-22759/16-10-9	48	RET102A10
MIL-W-22759/16-10-9	48	RET101A10
MIL-W-22759/16-10-9	36	RET100A10N
MIL-W-22759/16-20-9	96	RET106A20
MIL-W-22759/16-20-9	96	RET105A20
MIL-W-22759/16-20-9	96	RET103A20
MIL-W-22759/16-20-9	60	RET310A20
MIL-W-22759/16-20-9	96	RET305A20
MIL-W-22759/16-20-9	96	RET201A20
MIL-W-22759/16-20-9	96	RET202A20
MIL-W-22759/16-20-9	60	RET330A20
MIL-W-22759/16-20-9	60	RET332A20
MIL-W-22759/16-20-9	96	RET303A20
MIL-W-22759/16-20-9	60	RET331A20
MIL-W-22759/16-20-9	96	RET311A20N
MIL-W-22759/16-20-9	96	RET312A20
MIL-W-22759/16-20-9	96	RET315A20
MIL-W-22759/16-20-9	96	RET313A20
MIL-W-22759/16-20-9	96	RET314A20
MIL-W-22759/16-20-9	60	RET508A20
MIL-W-22759/16-20-9	60	RET509A20N
M27500-22TG4T14	360	RET601A22
MIL-W-22759/16-20-9	96	RET333A20
MIL-W-22759/16-16-9	9	RET112B16
MIL-W-22759/16-22-9	2	RET605A22N
MIL-W-22759/16-20-9	60	RET334A20
MIL-W-22759/16-20-9	60	RET335A20
MIL-W-22759/16-20-9	60	RET336A20
MIL-W-22759/16-20-9	60	RET337A20
MIL-W-22759/16-20-9	2	RET338A20
MIL-W-22759/16-20-9	2	RET339A20

WIRE SPECIFICATION	LENGTH (IN)	WIRE MARKING
MIL-W-22759/16-20-9	96	RET520A20
MIL-W-22759/16-20-9	96	RET521A20
MIL-W-22759/16-20-9	36	RET523A20N
MIL-W-22759/16-20-9	36	RET521B20
MIL-W-22759/16-10-9	9	RET526B10
MIL-W-22759/16-20-9	9	RET521C20N
MIL-W-22759/16-10-9	9	RET526A10
MIL-W-22759/16-10-9	60	RET529A10
MIL-W-22759/16-10-9	60	RET530A10N
MIL-W-22759/16-20-9	60	RET524A20
MIL-W-22759/16-20-9	60	RET525A20N
MIL-W-22759/16-20-9	48	RET508A20
MIL-W-22759/16-20-9	48	RET509A20N
MIL-W-22759/16-10-9	240	RET527A10
MIL-W-22759/16-10-9	240	RET528A10N
MIL-W-22759/16-20-9	2	RET531A20
MIL-W-22759/16-20-9	2	RET532A20

			TITLE DRAW				ING NUMBER		
	Paravion® Inc	ıc.	RT I	ELECTRICAL SYSTEM			RT-6000		00
	V recimology		DRAWN BY	CHK'D	APRVD. BY	DATE		REV	ECO
		PDM			11,	/08/16	J J		
-CONCINE	NTIAL INFORMATION-	4							
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONTINUED, IS MURILLY AND THE DISCLUSSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSDEVER VITHOUT THE PRIOR VICTITEN PERMISSION OF PARAVION TECHNOLOGY, INC.		(4	ツ┖╅	DO NO	T SCALE	DR	AWING	SHE	ET
			ANGLE OJECTION	© 2018 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.				6 OF 7	

RELEASE**NOTE:** 2023.05.30 - REF ECR 521

- 1. ALTERNATE WIRE SPECIFICATION: MIL-W-22759/41.
- 2. DO NOT DUPLICATE WIRE MARKING PART NUMBERS WITH PART NUMBERS FROM DRAWINGS RT-6050 AND C208RT-6000.

CONTROL BOX							
WIRE SPECIFICATION	LENGTH (IN)	WIRE MARKING					
MIL-W-22759/16-10-9	12	RET101B10					
MIL-W-22759/16-10-9	12	RET102B10					
MIL-W-22759/16-20-9	12	RET103B20					
MIL-W-22759/16-20-9	12	RET104B20N					
MIL-W-22759/16-20-9	12	RET105B20					
MIL-W-22759/16-20-9	12	RET106B20					
MIL-W-22759/16-20-9	12	RET107B20					
MIL-W-22759/16-20-9	12	RET109C20					
MIL-W-22759/16-20-9	12	RET110C20					
MIL-W-22759/16-10-9	12	RET111F10					
MIL-W-22759/16-16-9	12	RET112AA16					
MIL-W-22759/16-10-9	12	RET114C10					
MIL-W-22759/16-20-9	12	RET115C20					
MIL-W-22759/16-20-9	12	RET200C20					
MIL-W-22759/16-20-9	12	RET201B20					
MIL-W-22759/16-20-9	12	RET202B20					
MIL-W-22759/16-20-9	12	RET301C20					
MIL-W-22759/16-20-9	12	RET302C20					
MIL-W-22759/16-20-9	12	RET305AA20					
MIL-W-22759/16-20-9	12	RET310B20					
MIL-W-22759/16-20-9	12	RET311B20N					
MIL-W-22759/16-20-9	12	RET312B20					
MIL-W-22759/16-20-9	12	RET314B20					
MIL-W-22759/16-20-9	12	RET315B20					
MIL-W-22759/16-20-9	12	RET330B20					
MIL-W-22759/16-20-9	12	RET330C20					
MIL-W-22759/16-20-9	12	RET331B20N					
MIL-W-22759/16-20-9	12	RET332B20					
MIL-W-22759/16-20-9	12	RET333B20					
MIL-W-22759/16-20-9	12	RET400D20					
MIL-W-22759/16-20-9	12	RET501D20					
MIL-W-22759/16-20-9	12	RET503C20					
MIL-W-22759/16-20-9	12	RET508A20					
MIL-W-22759/16-20-9	12	RET508B20					
MIL-W-22759/16-20-9	12	RET509B20N					
MIL-W-22759/16-20-9	12	RET600B20					
MIL-W-22759/16-20-9	12	RET602B20					
MIL-W-22759/16-20-9	12	RET603B20N					
MIL-W-22759/16-20-9	12	RET604B20					
MIL-W-22759/16-8-9	12	RET700C8N					
MIL-W-22759/16-10-9	12	RET111E10					
MIL-W-22759/16-20-9	12	RET800B20					

CONTROL BOX, CONT'D							
WIRE SPECIFICATION	LENGTH (IN)	WIRE MARKING					
MIL-W-22759/16-20-9	12	RET801A20					
MIL-W-22759/16-20-9	12	RET802A20					
MIL-W-22759/16-20-9	12	RET802B20					
MIL-W-22759/16-20-9	12	RET802C20					
MIL-W-22759/16-20-9	12	RET803A20N					
MIL-W-22759/16-20-9	12	RET804A20					
MIL-W-22759/16-20-9	12	RET805A20					
MIL-W-22759/16-20-9	12	RET806A20					
MIL-W-22759/16-20-9	12	RET807A20					
MIL-W-22759/16-20-9	12	RET808A20					
MIL-W-22759/16-20-9	12	RET809A20N					
MIL-W-22759/16-20-9	12	RET810A20N					
MIL-W-22759/16-20-9	12	RET811A20N					
MIL-W-22759/16-20-9	12	RET817A20N					
MIL-W-22759/16-20-9	12	RET818A20N					
MIL-W-22759/16-20-9	12	RET819A20N					
MIL-W-22759/16-20-9 MIL-W-22759/16-20-9	12	RET820A20					
MIL-W-22/39/16-20-9 MIL-W-22759/16-20-9	12 12	RET821A20 RET822A20					
MIL-W-22759/16-20-9	12	RET825A20N					
MIL-W-22759/16-20-9	12	RET826A20N					
MIL-W-22759/16-10-9	9	RET830A10					
MIL-W-22759/16-10-9	9	RET831A10					
MIL-W-22759/16-24-9	4	RET840A24N					
MIL-W-22759/16-24-9	4	RET840B24N					
MIL-W-22759/16-24-9	4	RET841A24					
MIL-W-22759/16-24-9	4						
		RET841B24					
MIL-W-22759/16-24-9	4	RET842A24					
MIL-W-22759/16-24-9	4	RET842B24					
MIL-W-22759/16-24-9	4	RET843A24					
MIL-W-22759/16-24-9	4	RET843B24					
MIL-W-22759/16-20-9	2	RET852B20					
MIL-W-22759/16-20-9	2	RET853B20					

	Paravion® √Technology		RT ELECTRICAL c. SYSTEM			ı	RT-6000		
			DRAWN BY	CHK'D	APRVD. BY	DATE	REV	ECO	
			PDM			11/08/16	JJ		
-CONFIDENTIAL INFORMATION- THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONTENENCE, AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE VHATISOEVER VITHOUT THE PRIOR VRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.		4	7]		
		(P)) [DO NO	r scale	DRAWING	SHE	EET	
			ANGLE JECTION	PARAVION		TECH. INC. DEMARK OF DGY INC.	70	F 7	